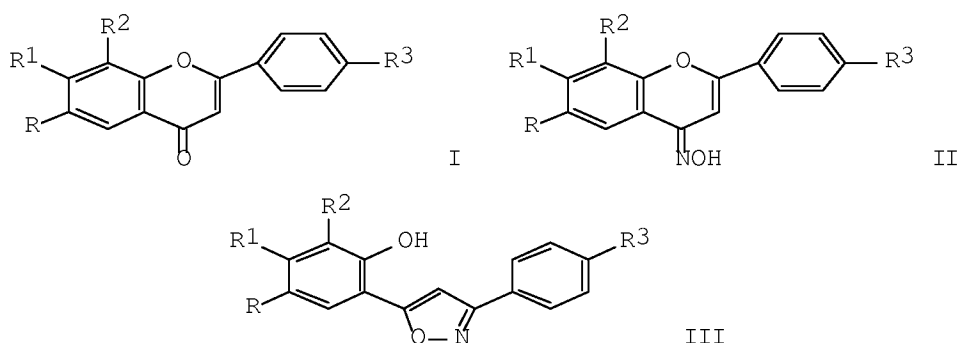
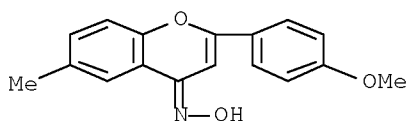


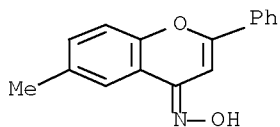
ACCESSION NUMBER: 1992:214399 CAPLUS Full-text
 DOCUMENT NUMBER: 116:214399
 TITLE: Benzo- γ -pyrones. Part XIV. Reaction of
 C-substituted 2-phenyl-4H-1-benzopyran-4-ones with
 hydroxylamine
 AUTHOR(S): Basinski, Wlodzimierz
 CORPORATE SOURCE: Fac. Pharm., Sch. Med., Lodz, 90151, Pol.
 SOURCE: Polish Journal of Chemistry (1991), 65(9-10), 1619-32
 CODEN: PJCHDQ; ISSN: 0137-5083
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 116:214399
 GI



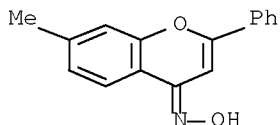
AB The reaction of flavones I (R, R1 = H, Me; R2 = H, Me, Br; R3 = H, MeO) with hydroxylamine in anhydrous pyridine was investigated. The oximes II and isoxazoles III were the products. It was determined that the ratio of II to III is dependent on the nature of substituent and its position in the flavone skeleton. It is postulated that the flavone is an ambient electrophile and that the reaction course is characteristic for this class of compds.
 IT 115663-23-5P 115663-26-8P 140885-78-5P
 140885-79-6P 140885-80-9P 140885-81-0P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation, acetylation, IR, NMR, and mass spectrum of)
 RN 115663-23-5 CAPLUS
 CN 4H-1-Benzopyran-4-one, 2-(4-methoxyphenyl)-6-methyl-, oxime (9CI) (CA INDEX NAME)



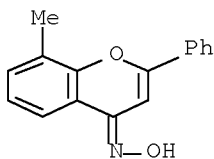
RN 115663-26-8 CAPLUS
 CN 4H-1-Benzopyran-4-one, 6-methyl-2-phenyl-, oxime (9CI) (CA INDEX NAME)



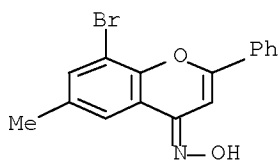
RN 140885-78-5 CAPLUS
 CN 4H-1-Benzopyran-4-one, 7-methyl-2-phenyl-, oxime (9CI) (CA INDEX NAME)



RN 140885-79-6 CAPLUS
 CN 4H-1-Benzopyran-4-one, 8-methyl-2-phenyl-, oxime (9CI) (CA INDEX NAME)



RN 140885-80-9 CAPLUS
 CN 4H-1-Benzopyran-4-one, 8-bromo-6-methyl-2-phenyl-, oxime (9CI) (CA INDEX NAME)



RN 140885-81-0 CAPLUS
 CN 4H-1-Benzopyran-4-one, 8-bromo-2-(4-methoxyphenyl)-6-methyl-, oxime (9CI) (CA INDEX NAME)

